

### ABSTRACT OF THE DISCLOSURE

A focus detecting optical includes a condenser lens placed in the proximity of a preset imaging plane equivalent to the imaging plane of a photographic lens, a pair of aperture stops dividing the pupil of the photographic lens placed on the exit side of the condenser lens into two areas, and a pair of re-imaging lenses for forming two secondary object images corresponding to the aperture stops, and satisfies the following conditions:

$$0.45 < |mg| < 0.75$$

$$0.75 < |R1 / R2| < 1.25$$

$$|R3 / R4| \leq 0.02$$

where  $mg$  is an imaging magnification of the focus detecting optical system,  $R1$  is the radius of curvature of the entrance surface of the condenser lens,  $R2$  is the radius of curvature of the exit surface of the condenser lens,  $R3$  is the radius of curvature of the entrance surface of each of the re-imaging lenses, and  $R4$  is the radius of curvature of the exit surface of each of the re-imaging lenses.